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Application Number	10764800
Filing Date	2004-01-26
First Named Inventor	M.F. FONTOURA et al.
Art Unit	2166
Examiner Name	Mohammad Ali
Attorney Docket Number	SVL920030118US1

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/M.A./	1	4965763		1990-10-23	Zamora	
	2	5187790		1993-02-16	East et al.	
	3	5265221		1993-11-23	Miller	
	4	5297039		1994-03-22	Kanaegami et al.	
	5	5638543		1997-06-10	Pederson et al.	
	6	5708825		1998-01-13	Sotomayor	
	7	5721938		1998-02-24	Stuckey	
↓ /M.A./	8	5721939		1998-02-24	Kaplan	

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/M.A./	9	5832480		1998-11-03	Byrd, Jr. et al.	
	10	5809502		1998-09-15	Burrows	
	11	5862325		1999-01-19	Reed et al.	
	12	5884305		1999-03-16	Kleinberg et al.	
	13	5890103		1999-03-30	Carus	
	14	5903646		1999-05-11	Rackman	
	15	5909677		1999-06-01	Broder et al.	
	16	5933822		1999-08-03	Braden-Harder et al.	
	17	5963940		1999-10-05	Liddy et al.	
	18	5974412		1999-10-26	Hazlehurst et al.	
✓ /M.A./	19	6026388		2000-02-15	Liddy et al.	

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/M.A./	20	6029165		2000-02-22	Gable	
	21	6035268		2000-03-07	Carus et al.	
	22	6119124		2000-09-12	Broder et al.	
	23	6182062		2001-01-30	Fujisawa et al.	
	24	6192333		2001-02-20	Pentheroudakis	
	25	6205456		2001-03-20	Nakao	
	26	6243713		2001-06-05	Nelson et al.	
	27	6269361		2001-07-31	Davis et al.	
	28	6285999		2001-09-04	Page	
	29	6295529		2001-09-25	Corston-Oliver et al.	
↓ /M.A./	30	6308179		2001-10-23	Peterson et al.	

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/M.A./	31	6324566		2001-11-27	Himmel et al.	
	32	6381602		2002-04-30	Shoroff et al.	
	33	6421655		2002-07-16	Horvitz et al.	
	34	6519592		2003-02-11	Getchius et al.	
	35	6547829		2003-04-15	Meyerzon et al.	
	36	6553385		2003-04-22	Johnson et al.	
	37	6578032		2003-06-10	Chandrasekar et al.	
	38	6594682		2003-07-15	Peterson et al.	
	39	6615209		2003-09-02	Gomes et al.	
	40	6618725		2003-09-09	Fukuda et al.	
↓ /M.A./	41	6622211		2003-09-16	Henry et al.	

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/M.A./	42	6631369		2003-10-07	Meyerzon et al.	
	43	6631496		2003-10-07	Li et al.	
	44	6633872		2003-10-14	Ambrosini et al.	
	45	6643650		2003-11-04	Slaughter et al.	
	46	6658406		2003-12-02	Mazner et al.	
	47	6658423		2003-12-02	Pugh et al.	
	48	6665657		2003-12-16	Dibachi	
	49	6678409		2004-01-13	Wu et al.	
↓ /M.A./	50	6754873		2004-06-22	Law et al.	

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/M.A./	1	0 809 197	EP		1997-11-26	Ishikawa et al.		<input type="checkbox"/>
/M.A./	2	9749048	WO		1997-12-24	Yanhong		<input type="checkbox"/>

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/M.A./	1	AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXplorer: A System for Keyword-Based Search over Relational Databases," Proceedings of 18th International Conference on Data Engineering, 2002, 12 pp.	<input type="checkbox"/>
/M.A./	2	AGRAWAL, S., S CHAUDHURI and G. DAS, "DBXplorer: Enabling Keyword Search over Relational Databases", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pg. 627.	<input type="checkbox"/>
/M.A./	3	BHALOTIA, G., A. HULGERI, C NAKHE, S. CHAKRABARTI and S. SUDARSHAN, "Keyword Searching and Browsing in Databases Using BANKS", Proceedings of the 18th International Conference on Data Engineering, 2002, 10 pp.	<input type="checkbox"/>
/M.A./	4	BRIN, S. and L. PAGE, "The Anatomy of a Large-Scale Hypertextual Web Search Engine", Computer Networks and ISDN Systems, Vol. 30, No. 1-7, 1998, pp. 107-117.	<input type="checkbox"/>

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M.A./	5	BRODER, A.Z., D. CARMEL, M. HERSCOVICHI, A. SOFFER and J. ZIEN, "Efficient Query Evaluation Using a Two-Level Retrieval Process", Twelfth International Conference on Information Knowledge Management (CIKM 2003), 2003, pp. 426-434.	<input type="checkbox"/>
	6	BRODER, A.Z., S.C. GLASSMAN, M.S. MANASSE, and G. ZWEIG, "Syntactic Clustering of the Web", Computer Networks and ISDN Systems, Vol. 29, Iss. 8-13, 1997, pp. 1157-1166.	<input type="checkbox"/>
	7	BRUNO, N., K. KOUDAS and D. SRIVASTAVA, "Holistic Twig Joins: Optimal XML Pattern Matching", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pp. 310-321.	<input type="checkbox"/>
	8	CARMEL, D., Y. MAAREK, M. MANDELBROD, Y. MASS and A. SOFFER, "Searching XML Documents via XML Fragments," Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, 2003, pp. 151-158.	<input type="checkbox"/>
	9	FONTOURA, M., E. SHEKITA, J. ZIEN, S. RAJAGOPALAN and A. NEUMANN, "High Performance Index Build Algorithms for Intranet Search Engines", Proceedings of 30th International Conference on Very Large Data Bases, 2004, pp. 1158-1169.	<input type="checkbox"/>
	10	FRENCH, G., "Hacking the Google Numrange Operator", [online], April 1, 2004, [retrieved on August 31, 2004], retrieved from the Internet at <URL: http://www.webpronews.com/insiderreports/searchinsider/wpn-49-20040401HackingtheGoogleNumrangeOperator.html >.	<input type="checkbox"/>
	11	GOOGLE, "Advanced Search", [online], 2003, [retrieved on August 31, 2004], retrieved from the Internet at <URL: http://www.google.com/help/refinerearch.html >.	<input type="checkbox"/>
	12	GRAVANO, L., P.G. IPEIROTIS, N. KOUDAS and D. SRIVASTAVA, "Text Joins in an RDBMS for Web Data Integration", Proceedings of the 12th International Conference on World Wide Web, 2003, pp. 90-101.	<input type="checkbox"/>
	13	GUTTMAN, A., "R-Trees: A Dynamic Index Structure for Spatial Searching", Proceedings of the 1984 ACM SIGMOD International Conference on Management of Data, 1984, pp. 47-57.	<input type="checkbox"/>
	14	HRISTIDIS, V. and Y. PAPA KONSTANTINOY, "DISCOVER: Keyword Search in Relational Databases", Proceedings of the 28th VLDB Conference, 2002, 12 pp.	<input type="checkbox"/>
↓ M.A./	15	KAUSHIK, R., R. KRISHNAMURTHY, J.F. NAUGHTON and R. RAMAKRISHNAN, "On the Integration of Structure Indexes and Inverted Lists," Proceedings of the 20th International Conference on Data Engineering, 2004, 1 pg.	<input type="checkbox"/>

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/M.A./	16	MELNIK, S., S. RAGHAVAN, B. YANG AND H. GARCIA-MOLINA, "Building a Distributed Full-Text Index for the Web," ACM Transactions on Information Systems, Vol. 19, No. 3, July 2001, pp. 217-241.	<input type="checkbox"/>
	17	PRESS, W.H., B.P. FLANNERY, S.A. TEUKOLSKY AND W.T. VETTERLING, "Numerical Recipes in C: The Art of Scientific Computing", 1998, Ch. 9, pp. 258-263.	<input type="checkbox"/>
	18	RAGHAVAN, S. and H. GARCIA-MOLINA, "Complex Queries over Web Repositories", Proceedings of the 29th VLDB Conference, 2003, pp. 33-44.	<input type="checkbox"/>
	19	RAGHAVAN, S. and H. GARCIA-MOLINA, "Integrating Diverse Information Management Systems: A Brief Survey", IEEE Data Engineering Bulletin, 2001, Vol. 24, No. 4, pp. 44-52.	<input type="checkbox"/>
	20	RAMSAK, F., V. MARKL, R. FENK, M. ZIRKEL, K. ELHARDT and R. BAYER, "Integrating the UB-Tree into a Database System Kernel", Proceedings of 26th International Conference on Very Large Data Bases, September 2000, pp. 263-272.	<input type="checkbox"/>
	21	SPERTUS, E. and L.A. STEIN, "Squeal: A Structured Query Language for the Web", Proceedings of the 9th international World Wide Web Conference on Computer Networks, 2000, pp. 95-103.	<input type="checkbox"/>
	22	US Patent Application Serial No. 11/182,334, filed July 14, 2005, entitled "Enforcing Native Access Control to Indexed Documents", invented by R. LEMPEL, T. LEYBA, J.A. MCPHERSON, JR., and J.L. PEREZ.	<input type="checkbox"/>
	23	US Patent Application Serial No. 11/295,397, filed December 5, 2005, entitled "Improving Text Search Quality by Exploiting Organizational Information", invented by T. HAMPP, M. BAESSLER, A. LANG, T.W. GOETZ, A. BAADER, and J. DOERRE.	<input type="checkbox"/>
	24	LOMET, D. (Ed.), "Bulletin of the Technical Committee on Data Engineering", December 2001, Vol. 24, No. 4, 56 pp.	<input type="checkbox"/>
	25	LU, W, L. CHIEN, & H. LEE, "Anchor Text Mining for Translation of Web Queries", Proceedings from the International Conference on Data Mining, November 2001, pp. 401-408.	<input type="checkbox"/>
↓ /M.A./	26	PCT International Search Report and Written Opinion, May 6, 2005, for International Application No. PCT/EP2005/050321.	<input type="checkbox"/>

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/M.A./	1	6078914		2000-06-20	Redfern	
	2	6078916		2000-06-20	Culliss	
	3	6763362		2004-07-13	McKeeth	
↓ /M.A./	4	6904454		2005-06-07	Stickler	

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/M.A./	1	20010027451		2001-10-04	Taguchi et al.	
/M.A./	2	20030093409		2003-05-15	Weil et al.	

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/M.A./	3	20040215606		2004-10-28	Cossock	
/M.A./	4	20040243581		2004-12-02	Weissman et al.	

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/M.A./	1	PCT International Search Report and Written Opinion, October 30, 2006, for International Application No. PCT/EP2006/064281.	<input type="checkbox"/>

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/M.A./	1	20020065957		2002-05-30	Rubin et al.	
/M.A./	2	20050120004		2005-06-02	Stata et al.	
/M.A./	3	20050198076		2005-09-08	Stata et al.	

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